

PLEASE RETURN



MONTANA DEPARTMENT OF HEALTH
AND ENVIRONMENTAL SCIENCES

Monthly Activities Report
of the Air Quality Bureau

STATE DOCUMENTS COLLECTION

MAY 13 1979

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Helena, Montana 59601

March, 1979

1. Highlights:

Most of the month was spent working on the State Implementation Plan to prepare it for submittal to the Environmental Protection Agency, the Network Review Plan, and many reports for the Montana Air Pollution Study.

2. Ambient Air Quality Network

a. Standards Exceeded - near East Helena for SO₂

	<u>Microwave</u>	<u>East Station</u>	<u>Broudy</u>
State 1-hour	4	0	0
State 24-hour	0	0	0
Federal 3-hour	0	0	0
Federal 24-hour	0	0	0

b. Air Stagnation Advisories - None in March

c. Laboratory Status

Total Determinations for Month	1828
Total Samples for Month	439

d. Other

A field trip was taken to East Helena to collect snow for lead analysis.

3. Permits and Tax Credits

a. Construction permits applied for:

Maronick Construction, Jefferson County, jaw crushers and cone crushers
Gus Albert, Dawson County, crusher
McIntyre Construction, portable asphalt hot mix plant
Baltrusch Construction, Hill County, portable gravel crusher
R. J. Studer & Sons, Carbon County, portable gravel crushing plant
Peter Kiewit Sons, Big Horn County, portable asphalt plant
Zook Brothers, Pondera County, portable asphalt batch plant
Hilde Construction, Big Horn County, hot mix plant and gravel crusher
McIntyre Construction, portable asphalt hot mix plant
McIntyre Construction, portable asphalt hot mix plant
Frances Tindall Construction, Fergus County, gravel crusher
Francis Tindall Construction, Fergus County, gravel crusher

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3. Construction permits, received

Earth Builders, Custer County, portable asphalt plant
Earth Builders, Custer County, portable gravel crusher
Earth Builders, Dawson County, portable gravel crusher
Earth Builders, Dawson County, portable asphalt plant
Maronick Construction, Jefferson County, jaw crushers and cone crushers
Gus Albert, Dawson County, crusher
McIntyre Construction, portable asphalt hot mix plant
R. J. Studer & Sons, Carbon County, portable gravel crushing plant
Zook Brothers, Pondera County, portable asphalt batch plant

c. Tax Credits - None

4. Variance Status:

a. Current:

Anaconda Company, SO₂ variance, approved in November
ASARCO, one year variance granted through June 30, 1979.

b. New

George Berg, Lewistown, open burning, currently being processed
Lincoln Landfill Board, Lincoln, open burning, currently being processed

5. Enforcement Actions:

a. Citations

Burkland Studs, Livingston, MT 790302-BR-1; Teepee burner in violation
of rule 16-2.14(1)-S14030 (Woodwaste burners)

McIntyre Construction, Great Falls, 790307-JV-1; Rock crusher in
violation of rule 16-2.14(1)-S1400 (Permits) - Big Horn County

Anaconda Aluminum, Columbia Falls, 790312-DH-2; Old cryolite unloading
vent in violation of rule 16-2.14(1)-S1460 (Visible emissions)

Thompson Falls Lumber, Thompson Falls, 790314-DH-2; teepee burner in
violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

Stoltze Land & Lumber, Columbia Falls, 790312-DH-1, teepee burner in
violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

C & C Plywood, Kalispell, 790313-DH-1; teepee burner in violation of
rule 16-2.14(1)-S14030 (Woodwaste burner)

Spring Creek Forest Products, Judith Gap, 790301-BR-1; Teepee burner in
violation of rules 16-2.14(1)-S1400 and 14030 (Permits and Woodwaste
burners)

Brand S Lumber, Livingston, MT 790302-BR-2; tepee burner in violation of rule 16-2.14(1)-S14030 (Woodwaste burner)

Stoltze Land & Lumber, Conner, MT 790322-BR-1; Tepee burner in violation of rule 16-2.14(1)-S14030.

b. Notice of Violations - None

c. Order for Corrective Action

Brand S will have a hearing before the Board on May 11, 1979, on Order 0731208-BR-1.

6. Tepee burner and Open Burning:

Tepee Burner - number in operation is currently 20

Open Burning Permits Issued:

Kalispell Office	355	Sanders County	34
Cascade County	22	Yellowstone Co.	190
Lake County	300	Rest of state	988
Missoula County	560	Total	2449

7. Source Tests Performed:

None in March

8. Field Investigations:

C & C Plywood, Kalispell
Stoltze Land & Lumber, Columbia Falls
Superior Lumber, Columbia Falls
Anaconda Aluminum, Columbia Falls
St. Regis Lumber, Libby
Kennedy Stevens, Eureka
Louisiana Pacific, Columbia Falls
Thompson Falls Lumber, Thompson Falls
Louisiana Pacific, Trout Creek
Flodin Lumber, Thompson Falls
Plum Creek Lumber, Fortine
American Timber, Olney
Brand S, Lewistown, inspection
George Berg Lumber mill, Lewistown, variance inspection
U. S. Gypsum, Lewistown, routine inspection
Spring Creek Lumber, Judith Gap, inspection, citation issued
Burkland Studs, Livingston, inspection, citation issued
Willow Creek Lumber, Livingston, inspection
Brand S Lumber, Livingston, inspection
Pfizer Talc, Dillon, inspection
Stoltze Lumber, Dillon, routine inspection
Champion Building Products, Darby, inspection
Stoltze-Conner Lumber, Darby, inspection, citation issued

9. Complaints:

St. Regis Paper, Libby, soot, problem corrected
C & C Plywood, Kalispell, soot, inspection
Amish Community, Libby, open burning, investigation
Individual, Helena road, open burning, letter of reprimand
Russel Taglaren, Glacier County sanitarian, abuse of BN variance,
BN notified of complaint

10. Data Processing Services:

- a. Ambient Data Summary - attached
- b. Emission Inventory Status

Various meetings were held with the staff to describe changes recommended to be made to the EIS/P&R point and area source systems. A cost and time estimate is being prepared for the changes recommended.

- c. Prevention of Significant Deterioration

The Montana PSD rule was submitted to the Secretary of State and the rule became effective March 16, 1979.

- d. Modeling - No significant activities.

11. Environmental Impact Statements:

None were written or reviewed during March.

12. Status of Studies, Contracts and reports:

Poplar River is operating well. Report is due in July, 1979.
Flathead Environmental Study is operating well. Report due in July, 1979.
MAPS Meteorology studies operating well. Final report due in June, 1979.
Montana Air Pollution Study is operating smoothly - all reports due by July 1.
Montana Ambient Air Quality Study is working on final EIS, due by July

13. Schools and Training:

Three bureau employees attended a technical writing workshop this month.

14. Public Hearings and Meetings:

- a. Public Hearings held - A Board of Health meeting was held on March 16, 1979.

- b. Meetings attended

Carroll College professors, Helena, regarding ambient data reduction
Industry representatives, Helena, regarding PSD rule
EPA, Helena, regarding BOA grants, SIP
Study Area Manager, regarding Flathead Environmental Study funding

b. Meetings, attended, Cont.

Flathead Environmental Study technical advisory committee
Olsen & Elliott Associates, Helena, regarding DESPUR
E. A. Wells, Helena, Peach Street fugitive dust problem in Bozeman
Dave Jones, Ravalli Co. sanitarian, open burning
Brand S Lumber, office conference regarding tepee burner, Helena
Airshed coordinators meeting, Missoula, forest burning

c. Intra staff meetings

Legal Division, Brand S
MAPS staff meeting,
Bureau staff regarding EIS/P&R
Seminar in Helena for bureau staff on operation theory and
procedures for new micro computer

15. Public Information Requests:

Rules and Regulations 5
General information sent to school students for term papers

January 1979

Units: micrograms/cu. meter

AREA		HIGH READING		ARITHMETIC AVER.		
AQCH	Site Location	Current Month	Year-to-Date	Running Year	Year-to-Date	No. of Snd. of Data
140	Morton-Decker Big Horn Co.	79	79	209	43	1
	Warren Ranch Big Horn Co.	12	12	108	8	1
	Central Park Billings	84	84	196	34	1
141	Kiwanis Park	40	40	62	27	1
142	Traphagen Hall Bozeman	53	53	60	29	1
	Greeley School Butte	196	196	196	109	1
	Hebgen Park	166	166	166	92	1
	Dr. Cauty Res. Butte	163	163	169	86	1
	McKinley Res. Granite Co.	24	24	142	15	1
	Tuxley Res. Silver Bow Co.	73	73	73	38	1
	Microwave Jefferson Co.	53	53	97	35	1
	212 E. Pacific Lewis & Clark	90	90	201	64	1
	Cogswell Bldg. Helena	63	63	92	45	1

Pollutant: Total Suspended Particulate Units: micrograms/cu. meter

AREA		SIGN READING			ARITHMETIC AVERAGE		Comments
ACCR	Site Location	Current Month	Year-to-Date	Running Year	Year-to-Date	No. of Poles of Date	
143	Border Site	10	10	80	8	1	
	Scobey	14	14	20	10	1	
	Lindsay						
	Pawson Co.	10	10	58	5	1	
	Fort Peck						
	McGone Co.	8	8	21	4	1	
	Lame Deer						
144	Rosebud Co.	3	3	138	3	1	
	BN Site	9	9	9	6	1	
	Colstrip						
	McRae Site						
	Colstrip						
	Anders Res.	113	113	375	80	1	
	Col. Falls						
145	Trailer-NAMC	48	48	59	32	1	
	Flinchard Co.						
	Strom Res.	59	59	209	41	1	
	Kallispell						
	Libby-Brown	113	113	1384	82	1	
	Lincoln Co.						

Unit# _____

NITROGEN NITRATES AND NITRATES DATA					ppm		Comments
AREA	NITR READING			ARITHMETIC AVER.			
AQCL	Site Location	Current Month	Year to-Date	Running Year	Year-to-Date	No. of Tests	
	Nitrogen Dioxide						
142	Hegben Park Butte	0.200	0.200	0.200	0.063	1	
	<u>June</u>						
140	Central Park Billings	0.043	0.043	0.043	0.016	1	
142	Hegben Park Butte	0.033	0.033	0.050	0.005	1	

Pollutant: Units:

[illegible]

